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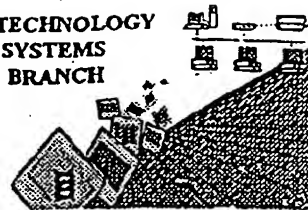
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BIOTECHNOLOGY
SYSTEMS
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RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/750,939A
Source: FWO
Date Processed by STIC: 4/1/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS:

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically, on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004

TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

3 <110> APPLICANT: Niles, Edward
5 <120> TITLE OF INVENTION: Novel Inhibitors of Poxvirus Replication
7 <130> FILE REFERENCE: 11520.0333
9 <140> CURRENT APPLICATION NUMBER: US 10/750,939A
10 <141> CURRENT FILING DATE: 2004-01-02
12 <150> PRIOR APPLICATION NUMBER: US/60/437,945
13 <151> PRIOR FILING DATE: 2003-01-02
15 <160> NUMBER OF SEQ ID NOS: 20
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 7
19 <212> TYPE: RNA
20 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <221> NAME/KEY: unsure
24 <222> LOCATION: 6
25 <223> OTHER INFORMATION: pox virus; n is g,a,u or c
27 <400> SEQUENCE: 1

pp 2-4
Does Not Comply
Corrected Diskette Needed

W--> 28 uuuuuuu 7
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 7
32 <212> TYPE: DNA
33 <213> ORGANISM: artificial sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: nascent pox virus termination signal
38 <400> SEQUENCE: 2
39 ttttttt 7
42 <210> SEQ ID NO: 3
43 <211> LENGTH: 22
44 <212> TYPE: RNA
45 <213> ORGANISM: artificial sequence
47 <220> FEATURE:
48 <221> NAME/KEY: unsure
49 <222> LOCATION: 14
50 <223> OTHER INFORMATION: U5NU-22-mer oligo; n is g,a,u or c
52 <400> SEQUENCE: 3
W--> 53 gggcgggcuu uuuuuuugcg uu 22
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 22
58 <212> TYPE: RNA
59 <213> ORGANISM: artificial sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: mutant- 22-mer oligo
64 <400> SEQUENCE: 4

RAW SEQUENCE LISTING

DATE: 04/01/2004

PATENT APPLICATION: US/10/750,939A

TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

65 gggccggcaa uuauuugcg uu 22
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 36
70 <212> TYPE: RNA
71 <213> ORGANISM: artificial sequence
73 <220> FEATURE:
74 <221> NAME/KEY: unsure
75 <222> LOCATION: 23
76 <223> OTHER INFORMATION: pGEM-U5NU-36-mer oligo n is g,a,u or c
78 <400> SEQUENCE: 5
W--> 79 gggcgaaug ggcggcuuu uuuuugcg ugaauu 36
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 36
84 <212> TYPE: RNA
85 <213> ORGANISM: artificial sequence
87 <220> FEATURE:
W--> 88 <221> NAME/KEY:
89 <222> LOCATION:
90 <223> OTHER INFORMATION: pGEM-Br-U5NU-36-mer; uracils at 8,9,18-26, 30, 31, 35 and
91 36 are brominated
93 <400> SEQUENCE: 6
94 gggcgaaug ggcggcuuu uuuuugcg ugaauu 36
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 27
98 <212> TYPE: DNA
99 <213> ORGANISM: artificial sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: transcription template plasmid oligo
104 <400> SEQUENCE: 7
105 aattgggccc gctttttttt tgcgttg 27
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 22
110 <212> TYPE: DNA
111 <213> ORGANISM: artificial sequence
113 <220> FEATURE:
W--> 114 <221> NAME/KEY:
115 <222> LOCATION:
116 <223> OTHER INFORMATION: dU5NdU oligo; 9-17 is deoxyuracil
118 <400> SEQUENCE: 8
119 gggccggcuu uuuuuugcg uu 22
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 22
124 <212> TYPE: RNA
125 <213> ORGANISM: artificial sequence
127 <220> FEATURE:
W--> 128 <221> NAME/KEY:
129 <222> LOCATION:
130 <223> OTHER INFORMATION: BrdU5NdU oligo; 9-17 is brominated deoxyuracil
132 <400> SEQUENCE: 9

9-17 (see p. 3)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004

TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

```
133 gggccggguuuuuuuugcg uu 22
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 22
137 <212> TYPE: DNA
138 <213> ORGANISM: artificial sequence
140 <220> FEATURE:
W--> 141 <221> NAME/KEY:
142 <222> LOCATION:
143 <223> OTHER INFORMATION: T5NT
145 <400> SEQUENCE: 10
146 gggccgggctt tttttttgcg uu 22
149 <210> SEQ ID NO: 11
150 <211> LENGTH: 22
151 <212> TYPE: DNA
152 <213> ORGANISM: artificial sequence
154 <220> FEATURE:
W--> 155 <221> NAME/KEY:
156 <222> LOCATION:
157 <223> OTHER INFORMATION: mutant T5NT
159 <400> SEQUENCE: 11
160 gggccggcaa ttattatgcg tt 22
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 17
164 <212> TYPE: RNA
165 <213> ORGANISM: artificial sequence
167 <220> FEATURE:
168 <221> NAME/KEY: unsure
169 <222> LOCATION: 10
170 <223> OTHER INFORMATION: U5NU 17-mer oligo; n is a,g,u or c
172 <400> SEQUENCE: 12
W--> 173 cgguuuuuuu uuugcgu 17
175 <210> SEQ ID NO: 13
176 <211> LENGTH: 13
177 <212> TYPE: RNA
178 <213> ORGANISM: artificial sequence
180 <220> FEATURE:
181 <221> NAME/KEY: unsure
182 <222> LOCATION: 8
183 <223> OTHER INFORMATION: U5NU-13-mer oligo; n is a,g, u or c
185 <400> SEQUENCE: 13
W--> 186 guuuuuuuuu ugc 13
189 <210> SEQ ID NO: 14
190 <211> LENGTH: 9
191 <212> TYPE: RNA
192 <213> ORGANISM: artificial sequence
194 <220> FEATURE:
195 <221> NAME/KEY: unsure
196 <222> LOCATION: 7 n is at location 6; u is at location 7 (see p.4)
197 <223> OTHER INFORMATION: U5NU-9-mer oligo; n is a,g,u or c
```

RAW SEQUENCE LISTING

DATE: 04/01/2004

PATENT APPLICATION: US/10/750,939A

TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

199 <400> SEQUENCE: 14
N--> 200 uuuuuuuuu 9
203 <210> SEQ ID NO: 15
204 <211> LENGTH: 7
205 <212> TYPE: RNA
206 <213> ORGANISM: artificial sequence
208 <220> FEATURE:
209 <221> NAME/KEY: unsure
210 <222> LOCATION: 6
211 <223> OTHER INFORMATION: U5NU-7-mer oligo; n is a,g,u or c
213 <400> SEQUENCE: 15
W--> 214 uuuuuuu 7
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 7
219 <212> TYPE: RNA
220 <213> ORGANISM: artificial sequence
222 <220> FEATURE:
W--> 223 <221> NAME/KEY:
224 <222> LOCATION:
225 <223> OTHER INFORMATION: mutant 7-mer
227 <400> SEQUENCE: 16
228 uuuuuuu 7
230 <210> SEQ ID NO: 17
231 <211> LENGTH: 22
232 <212> TYPE: DNA
233 <213> ORGANISM: artificial sequence
235 <220> FEATURE:
236 <221> NAME/KEY: unsure
237 <222> LOCATION: 14
238 <223> OTHER INFORMATION: DNA-U9-DNA oligo; n is g,a,u or c; 1-8 and 18-22 are DNA
240 <400> SEQUENCE: 17
W--> 241 gggccggcuu uuuuuuugcg uu 22
243 <210> SEQ ID NO: 18
244 <211> LENGTH: 22
245 <212> TYPE: RNA
246 <213> ORGANISM: artificial sequence
248 <220> FEATURE:
249 <221> NAME/KEY: unsure
250 <222> LOCATION: 14
251 <223> OTHER INFORMATION: 2-prime-O-Me-RNA-PT-U9-2-prime-O-Me-PT-RNA oligo; n is g,a,u
or c; 1-8
252 and 18-22 are 2-prime-O methylated; 1-8 and 17-22 have phosphorothiol bonds
254 <400> SEQUENCE: 18
W--> 255 gggccggcuu uuuuuuugcg uu 22
257 <210> SEQ ID NO: 19
258 <211> LENGTH: 22
259 <212> TYPE: DNA
260 <213> ORGANISM: artificial sequence
262 <220> FEATURE:
263 <221> NAME/KEY: unsure

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004
TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\04012004\J750939A.raw

264 <222> LOCATION: 14
265 <223> OTHER INFORMATION: PT-DNA-U9-PT-DNA oligo; n is g,a,u or c; 1-8 and 18-22
266 are phosphorthiols; 9-17 are RNA
268 <400> SEQUENCE: 19
W--> 269 gggccggcuu uuuuuuugcg uu 22
271 <210> SEQ ID NO: 20
272 <211> LENGTH: 7
273 <212> TYPE: RNA
274 <213> ORGANISM: artificial sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: U5AU oligo
279 <400> SEQUENCE: 20
280 uuuuauu 7

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004
TIME: 14:05:28

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\04012004\J750939A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6
Seq#:3; N Pos. 14
Seq#:5; N Pos. 23
Seq#:12; N Pos. 10
Seq#:13; N Pos. 8
Seq#:14; N Pos. 6
Seq#:15; N Pos. 6
Seq#:17; N Pos. 14
Seq#:18; N Pos. 14
Seq#:19; N Pos. 14

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004

TIME: 14:05:28

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
 L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
 L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
 L:88 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
 L:114 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
 L:128 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
 L:141 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
 L:155 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
 L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
 L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
 L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
 L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
 L:223 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
 L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
 L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
 L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0